**NILESH KUMAR MANDAL**

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**ACADEMICS**

**Bachelor’s in Computer Science and Engineering** GPA- (3.5/4.0)

*Alliance University, Bangalore* **Aug 2017 - Jul 2021**

*Coursework*: Engineering Mathematics (Probability, Statistics, Calculus), Core JAVA, Scripting Languages, Big Data Analytics

**EXPERIENCE (~3 Years)**

**Developer, Tata Consultancy Services (TCS),** *Bengaluru* **Nov 2022 – Current**

* Enhanced QA Governance procedures by automating workflow processes, including automated email notifications for non-compliance.
* Integrated Power BI for improved data visualization, utilizing workflows and APIs to generate insightful reports.
* Developed internal Jira tools for efficient data extraction, aiding management reporting and visualization.

***Tech Stack***: Spring Boot, Java, Flask, Python, MySQL, Jira, Linux, GitLab, Postman, Power Bi

**Associate Software Engineer Envestnet,** *Bengaluru* **Aug 2021 – Nov 2022**

* Collaborated with Frontend Team on different components of internal tools to Automate testing by running automation jobs and generating the report.
* Assisted organization by creating multiple APIs for migrating issue tracking to Jira.
* Created APIs for Advanced GUI Automation Service.
* Reduced team’s turnaround time by a large factor through automation of manual services with APIs.

***Tech Stack***: Spring Boot, Java, Flask, Python, Linux, Windows Remote Service, GitLab, Postman, MySQL, MongoDB

**Research Intern, National Institute of Technology Rourkela,** *Rourkela* **Jun 2019 - Jul 2019**

CLASSIFICATION OF EMOTION USING EEG SIGNALS ON DEAP DATASET

* Learned and developed Machine learning models for predicting different states of emotions by using the DEAP Dataset
* Learned how to write and analyze Research paper.

***Tech Stack***: Python, Pandas, Numpy, Sklearn

**TECHNICAL SKILLS**

**Languages**: Python, Java, JavaScript **Databases**: MySQL, MongoDB, SQLite,

**Frameworks**: Spring Boot, Flask, Django, Django Rest Framework, Llama-Index

**Technologies**: GitLab, GitHub, AWS, Docker, GCP, Linux, Jira, Power BI, Postman

**PROJECTS**

**Project Management and Quality control – INSIGHT**  **Oct 2021- Oct 2022**

* Created a Full-scale Project management application using Django for an Interior Design Company.
* The aim is to manage ongoing projects along with providing timely updates to the client on the progress.
* Tech Stack: AWS (EC2, RDS), Azure, Django, Python, MySQL

**Fantastic Computing Machine - FCM** **Dec 2020 – Jun 2021**

* Final Year Project
* Developing a SaaS Platform to deploy Machine Learning Pre-Trained Models and to provide a sharable link for other users to interact with the model.
* Tech Stack: AWS (EC2, RDS, S3), Flask, Python, MySQL, MongoDB, Docker

**CERTIFICATIONS** **AND** **PUBLICATIONS**

* Python data structures, COURSERA, June 2020
* Java programming: solving problems with software, COURSERA, June 2020